

Future Enhancements for real orders

1. **Encryption and Secure Communication:** periodically rotating certificates and keys, ensuring they are kept secure. Update to automatic encrypt tool.
2. **Encryption of sensitive data:** encrypt sensitive order data such as customer information, order details before transmission. Using **symmetric algorithm like AES** for data protection. Also we can use **cryptography library** in python to encrypt data before sending it across the network.
3. Authentication and authorization: **JWT Token** authentication or **firebase auth token**, API Key or **Oauth** based authentication for more robust security.
4. **Asynchronous Order Processing** technique for improve performance, and Network performance optimization using **websocket** for real time server side updates.
5. **NoSql** database for flexibility and speed, because of **bigdata analytics**.